

**INFORMATION DISCLOSURE STATEMENT**

Applicants	:	McAdam, et. al.
App. No.	:	Unknown
Filed	:	Herewith
For	:	FLEXIBLE ADAPTATION ENGINE FOR ADAPTIVE TRANSVERSAL FILTERS
Examiner	:	Unknown
Group Art Unit	:	Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing five (5) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed with an RCE or within three months of the filing date of this application and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 12-1-03

By: 

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. DATUMTE.017A	APPLICATION NO. Unknown
	APPLICANTS McAdam, et. al.	
	FILING DATE Herewith	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
		5,157,690	10/20/92	Buttle			
		5,517,213	05/14/96	Bhatt, et. al.			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	S.C. Douglas, "Adaptive Filters Employing Partial Updates," IEEE Transactions on Circuits Systems, Volume 44, No. 3, pp. 209-216, March 1997.
	J. Sonntag et al, "An Adaptive PAM-4 5Gb/s Backplane Transceiver in 0.25 um CMOS," IEEE 2002 Custom Integrated Circuits Conference, pp. 363-366 (2002).
	V. Wolff, R. Gooch and J. Treichler, "Specification and Development of an Equalizer-Demodulator for Wideband Digital Microwave Radio Signals," Proc. IEEE Military Communications Conference, NY, Oct. 1988, pp. 461-467 (1988).

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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	